ABSTRACT

Method of determining the gas hydrate formation conditions in a well fluid, comprising the following stages:

- taking a fluid sample,
- placing this sample in a calorimetry cell,
- performing on this sample a reference thermogram in a temperature range between T1 and T2,
- performing on the same sample a second thermogram in the same range and under a pressure Ph of a hydrocarbon gas, T1 being a temperature low enough to obtain the formation of hydrates in the sample at a gas pressure Ph, T2 being high enough to obtain hydrate dissociation,

identifying a peak in the second thermogram corresponding to the hydrates dissociation zone and deducing therefrom a hydrates dissociation temperature.